

**CPC****COOPERATIVE PATENT CLASSIFICATION****A24D****CIGARS; CIGARETTES; TOBACCO SMOKE FILTERS; MOUTHPIECES FOR CIGARS OR CIGARETTES; MANUFACTURE OF TOBACCO SMOKE FILTERS OR MOUTHPIECES****A24D 1/00****Cigars; Cigarettes**

- A24D 1/002 . {with additives, e.g. for flavouring (preparing tobacco, e.g. flavouring, [A24B](#))}
- A24D 1/004 . {with a filter located between tobacco rods}
- A24D 1/006 . {with reinforced extremities}
- A24D 1/008 . {dividable}
- A24D 1/02 . with special covers
- A24D 1/022 .. { Papers for roll-your-own cigarettes (paper in general [D21H](#))}
- A24D 1/025 .. { the covers having material applied to defined areas, e.g. bands for reducing the ignition propensity}
- A24D 1/027 .. {with ventilating means, e.g. perforations}
- A24D 1/04 . with mouthpieces or filter-tips (mouthpieces, filter-tips per se [A24D 3/00](#))
- A24D 1/042 .. {with mouthpieces ([A24D 1/047](#) takes precedence; mouthpieces per se [A24D 3/18](#))}
- A24D 1/045 .. {with smoke filter means ([A24D 1/047](#) takes precedence)}
- A24D 1/047 .. {extensible}
- A24D 1/08 . with lighting means (pyrophoric compositions [C06C 15/00](#); lighters per se [F23Q](#))
- A24D 1/10 . with extinguishers
- A24D 1/12 . with ash-retaining attachments, holders, or other equipment
- A24D 1/14 . Tobacco cartridges for pipes
- A24D 1/16 . Bands for cigars or cigarettes (machines for applying bands [B65C](#))
- A24D 1/18 . Selection of materials, other than tobacco, suitable for smoking
- A24D 3/00** **Tobacco smoke filters, e.g. filter-tips, filtering inserts (filters in general [B01D](#)); Mouthpieces for cigars or cigarettes (for pipes, for cigar or cigarette holders [A24F 7/00](#))**
- A24D 3/02 . Manufacture of tobacco smoke filters (manufacture of paper or cellulosic materials for

- filters [D21](#))
- A24D 3/0204 .. {Preliminary operations before the filter rod forming process, e.g. crimping, blooming ([A24D 3/0275 takes precedence](#))}
  - A24D 3/0208 ... {Cutting filter materials}
  - A24D 3/0212 ... {Applying additives to filter materials}
  - A24D 3/0216 .... { the additive being in the form of capsules, beads or the like}
  - A24D 3/022 .... {with liquid additives, e.g. application of plasticisers}
  - A24D 3/0225 .... { with solid additives, e.g. incorporation of a granular product ([A24D 3/0216 takes precedence](#))}
  - A24D 3/0229 .. {Filter rod forming processes ([A24D 3/0275 takes precedence](#))}
  - A24D 3/0233 ... {by means of a garniture}
  - A24D 3/0237 ... {by extrusion}
  - A24D 3/0241 ... {by compacting particulated materials}
  - A24D 3/0245 ... {by winding, e.g. spirally}
  - A24D 3/025 .. {Final operations, i.e. after the filter rod forming process ([A24D 3/0275 takes precedence](#))}
  - A24D 3/0254 ... {Cutting means}
  - A24D 3/0258 ... {Means for making grooves}
  - A24D 3/0262 ... {Filter extremity shaping and compacting means}
  - A24D 3/0266 ... {Rolling means}
  - A24D 3/027 .. { Multiple line manufacturing devices}
  - A24D 3/0275 .. {for filters with special features}
  - A24D 3/0279 ... {with tubes}
  - A24D 3/0283 ... {with means for a non-axial smoke flow}
  - A24D 3/0287 ... {for composite filters}
  - A24D 3/0291 ... {for hollow tipped filters, e.g. recess filters}
  - A24D 3/0295 .. {Process control means}
- A24D 3/04 . Tobacco smoke filters characterised by their shape or structure
  - A24D 3/041 .. {with adjustable means for modifying the degree of filtration of the filter}
  - A24D 3/043 .. {with ventilation means, e.g. air dilution ([A24D 3/041 takes precedence](#))}
  - A24D 3/045 .. {with smoke acceleration means, e.g. impact-filters}
  - A24D 3/046 .. {with electrical or magnetical filtering means}
  - A24D 3/048 .. {containing additives ([additive composition A24D 3/061](#))}
- A24D 3/06 . Use of materials for tobacco smoke filters
  - A24D 3/061 .. {containing additives entrapped within capsules, sponge-like material or the like, for further release upon smoking ([constructional aspects of the filter A24D 3/048](#))}
  - A24D 3/062 .. { characterised by structural features}
  - A24D 3/063 ... { of the fibers}
  - A24D 3/064 .... { having non-circular cross-section}
  - A24D 3/065 .... { with sheath/core of bi-component type structure}
  - A24D 3/066 ... { in the form of foam or having cellular structure}

- A24D 3/067 .. { characterised by functional properties}
- A24D 3/068 ... { Biodegradable or disintegrable}
- A24D 3/08 .. of organic materials as carrier or major constituent (of ion exchange materials [A24D 3/12](#))
- A24D 3/10 ... of cellulose or cellulose derivatives
- A24D 3/12 .. of ion exchange materials
- A24D 3/14 .. of organic materials as additive (of ion exchange materials [A24D 3/12](#))
- A24D 3/145 ... { Microbial metabolite, e.g. enzyme}
- A24D 3/16 .. of inorganic materials
- A24D 3/163 ... {Carbon}
- A24D 3/166 ... {Silicic acid or silicates}
  
- A24D 3/18 . Mouthpieces for cigars or cigarettes; Manufacture thereof ([A24D 3/02](#) takes precedence; making tipping materials for, or attaching them to mouthpieces of, cigars or cigarettes [A24C 5/56](#); producing cigar or cigarette holders from plastics or from substances in a plastic state [B29D 23/14](#); manufacture from metal, see the relevant subclasses of Section B)
  
- A24D 3/185 .. {with a straw-like insert, e.g. Virginia cigars}